

Datasheet for ABIN2790310
anti-SMOX antibody (C-Term)



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1 Image

Overview

Quantity:	100 µL
Target:	SMOX
Binding Specificity:	C-Term
Reactivity:	Human, Dog
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This SMOX antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the C-terminal region of Human SMOX
Sequence:	DHNHDTGEGG QGGEEPRGGR WDEDEQWSV VECEDCELIP ADHVIVTVSL
Predicted Reactivity:	Dog: 86%, Human: 100%
Characteristics:	This is a rabbit polyclonal antibody against SMOX. It was validated on Western Blot.
Purification:	Affinity Purified

Target Details

Target:	SMOX
Alternative Name:	SMOX (SMOX Products)
Background:	Polyamines are ubiquitous polycationic alkylamines which include spermine, spermidine,

Target Details

putrescine, and agmatine. These molecules participate in a broad range of cellular functions which include cell cycle modulation, scavenging reactive oxygen species, and the control of gene expression. These molecules also play important roles in neurotransmission through their regulation of cell-surface receptor activity, involvement in intracellular signalling pathways, and their putative roles as neurotransmitters. This gene encodes an FAD-containing enzyme that catalyzes the oxidation of spermine to spermadine and secondarily produces hydrogen peroxide. Multiple transcript variants encoding different isoenzymes have been identified for this gene, some of which have failed to demonstrate significant oxidase activity on natural polyamine substrates.

Protein Interaction Partner: UBC,
Protein Size: 555

Molecular Weight: 62 kDa

Gene ID: 54498

UniProt: [Q9NWM0](#)

Application Details

Application Notes: Optimal working dilution should be determined by the investigator.

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 1 mg/mL

Buffer: Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose.

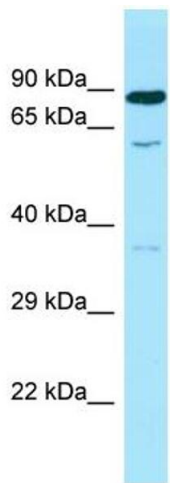
Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Handling Advice: Avoid repeat freeze-thaw cycles.

Storage: -20 °C

Storage Comment: For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.



Western Blotting

Image 1.